

Figure 1

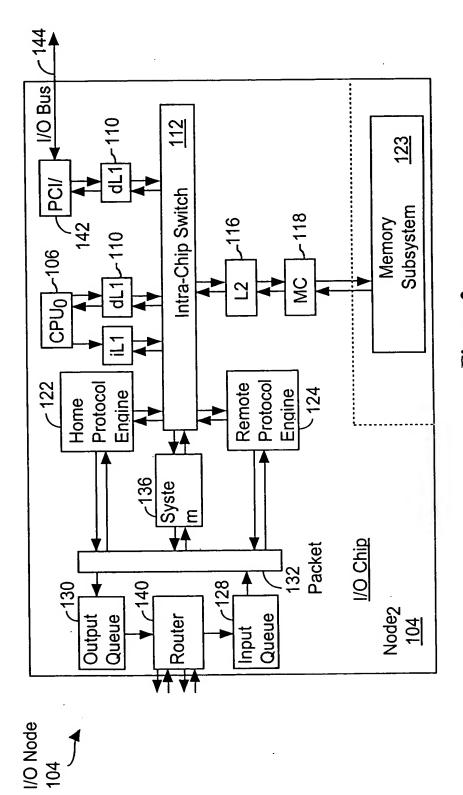


Figure 2

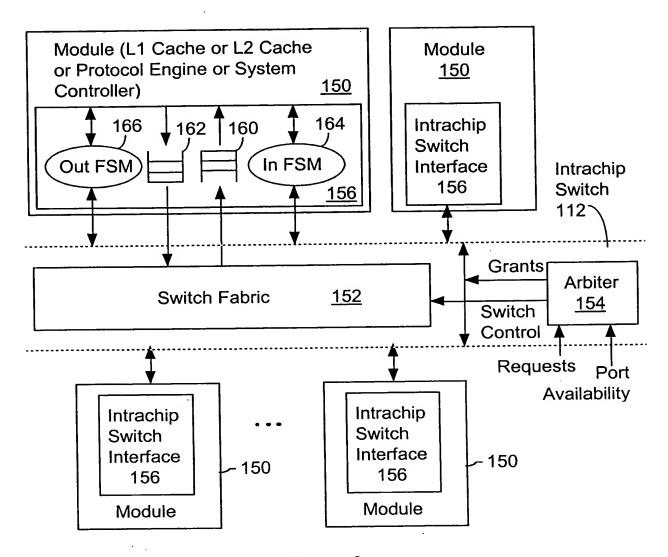
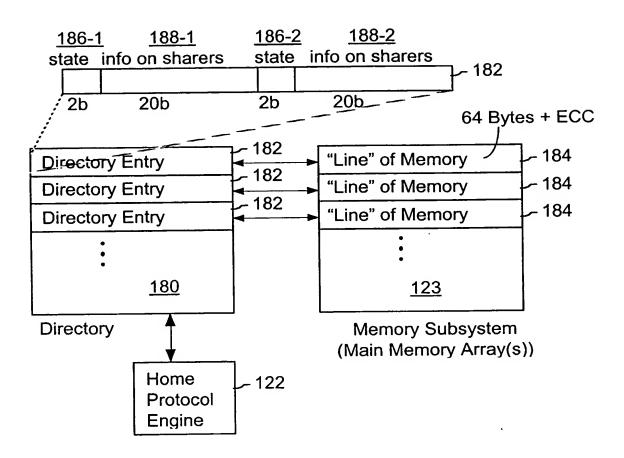


Figure 3



Directory State	Description	
invalid	no remote copies	
exclusive	exclusive remote copy	
shared	one or more shared remote copies (limited pointer)	
shared-cv	one or more shared remote copies (coarse pointer)	

Node to Bit and Bit to Node AssignmentTable (for sharer information field 188, coarse vector format) 189

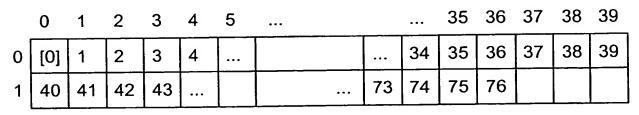


Figure 4

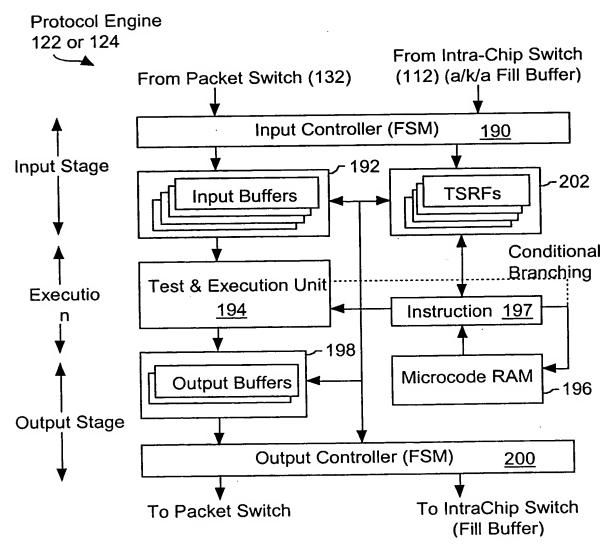


Figure 5

3b	4b	4b	10b		
ор	arg1	arg2	next PC		
Microcode Instruction Format Figure 6A					

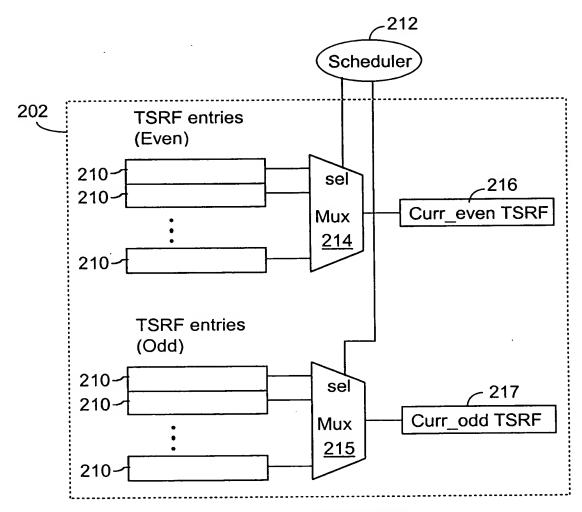


Figure 6B

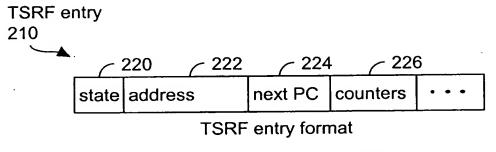
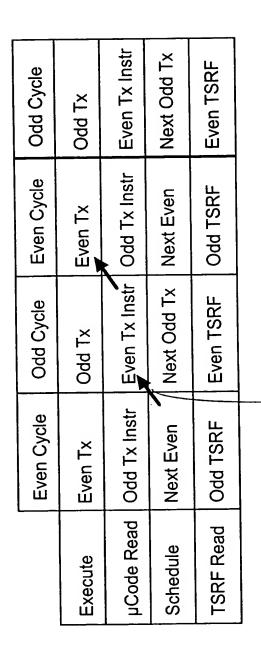
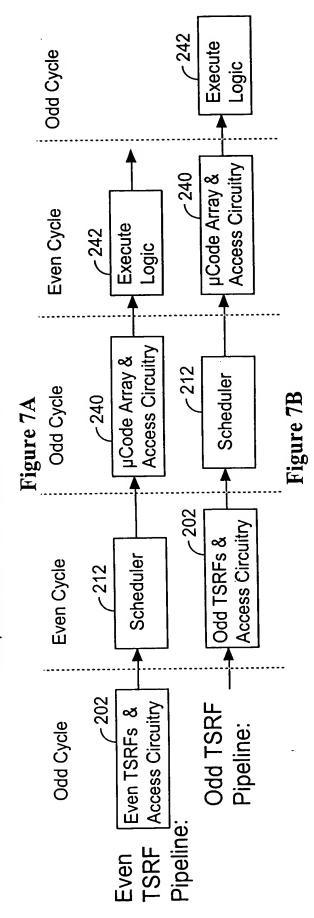


Figure 6C



Incorporate condition codes into determination of next PC for µCode Read



TSRF State Transistions

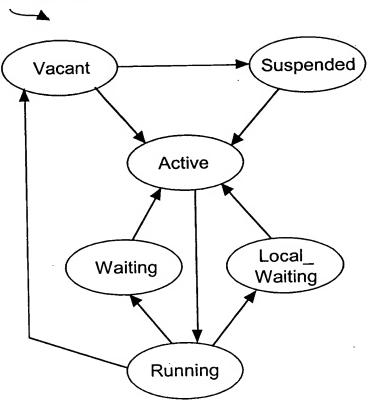
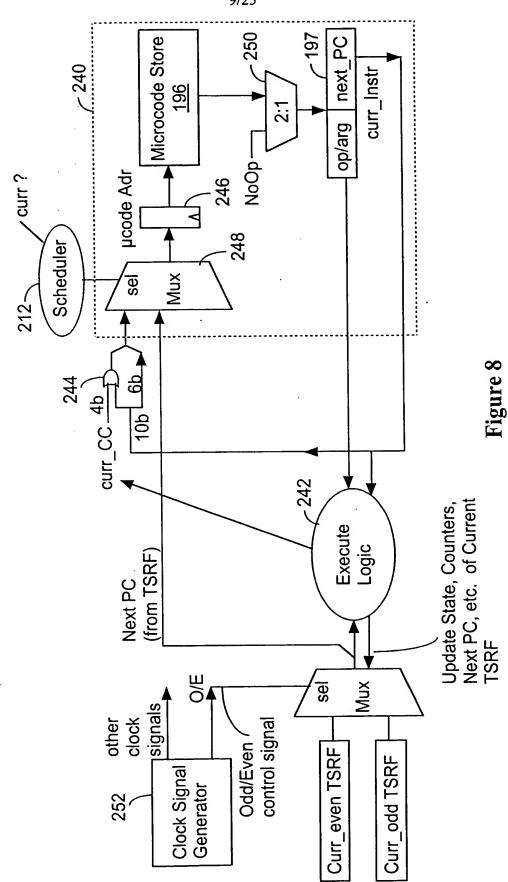
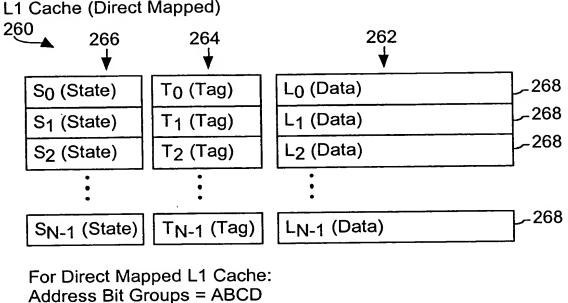


Figure 7C





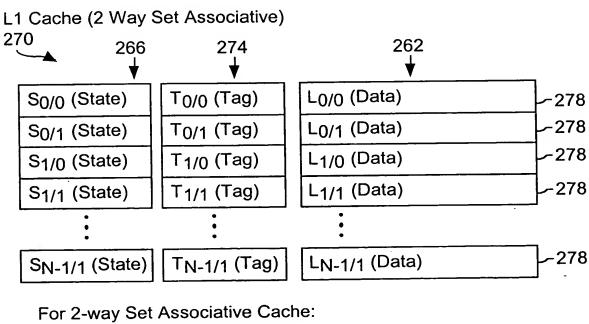
Line Address = ABC

Tag = A

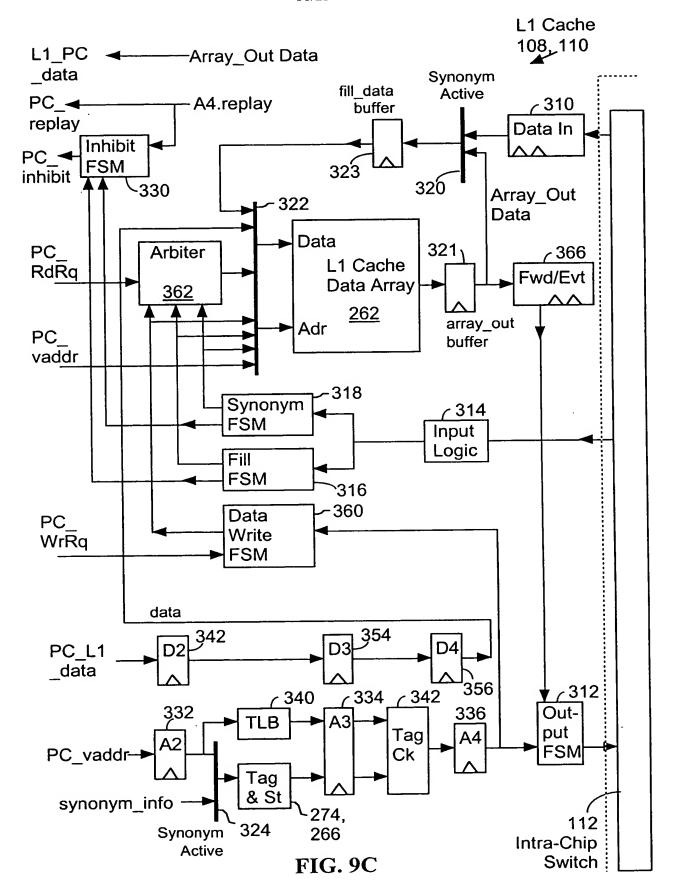
Cache Index for Line = BC

State = invalid, shared, clean_exclusive, dirty_exclusive

Figure 9A



Address Bit Groups = ABCD
Line Address = ABC
Tag = AB
Cache Index for Line = C
Figure 9B



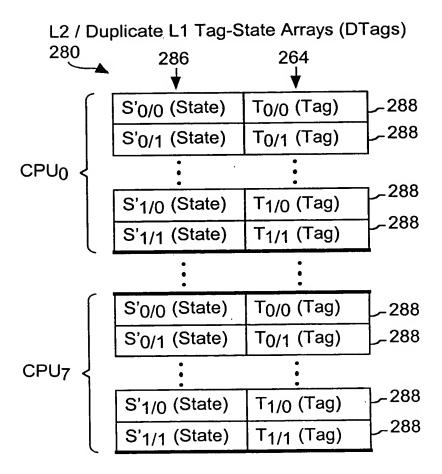


Figure 10A

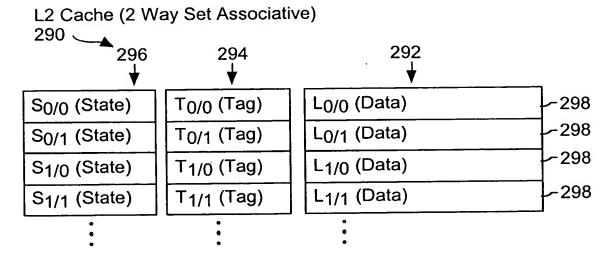


Figure 10B

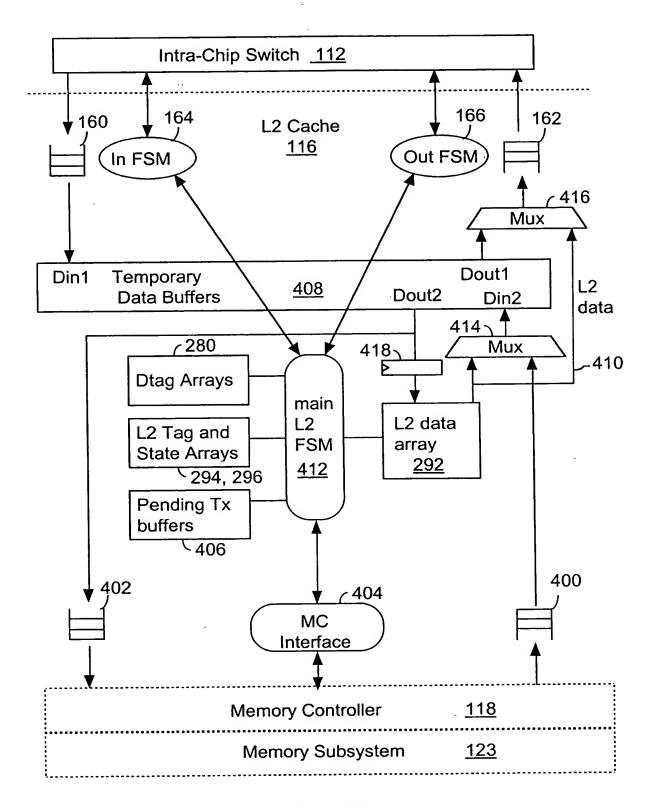
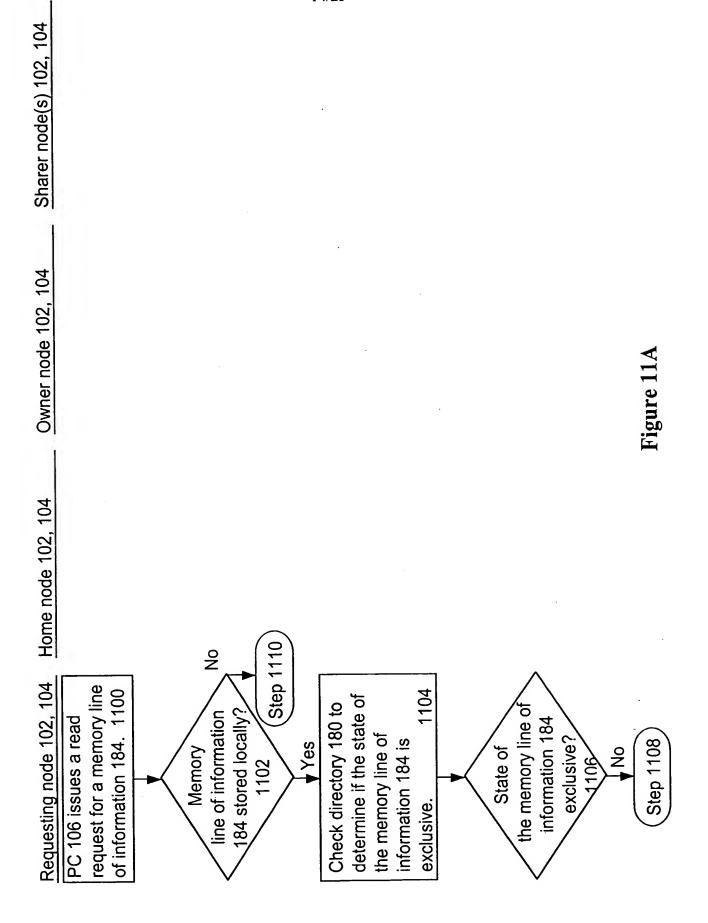
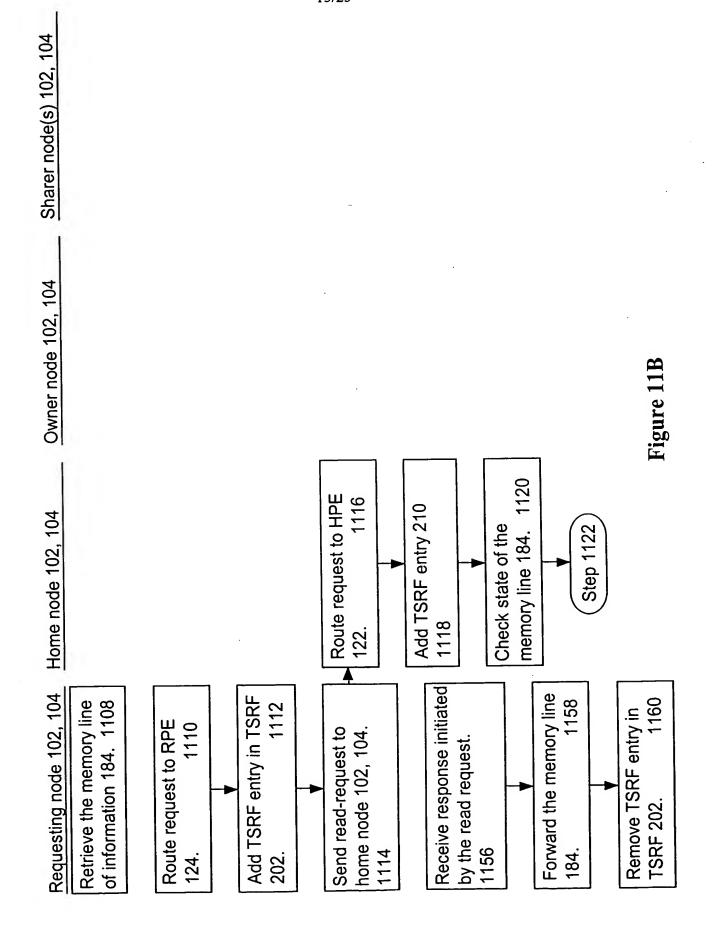
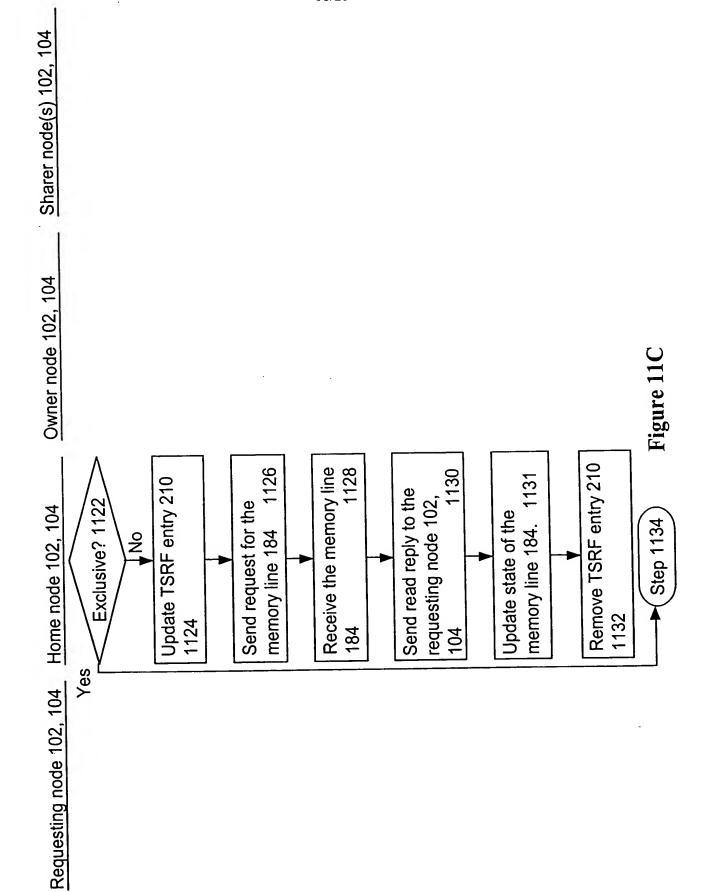


FIG. 10C







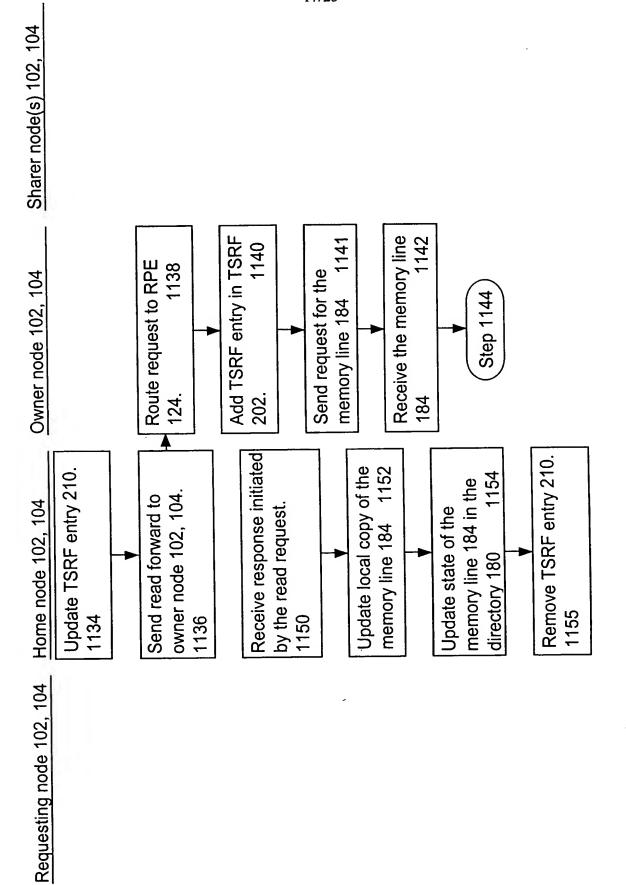
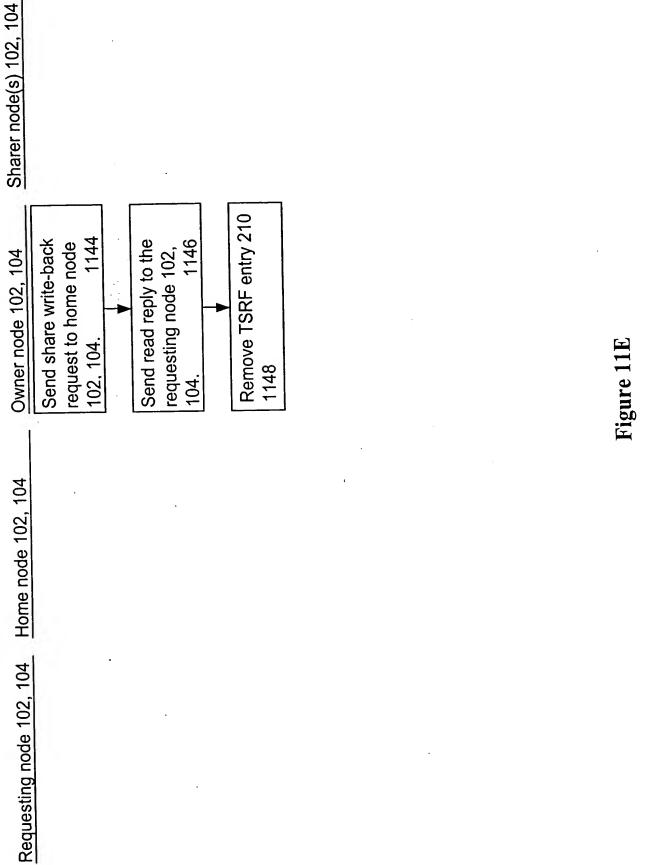


Figure 11D



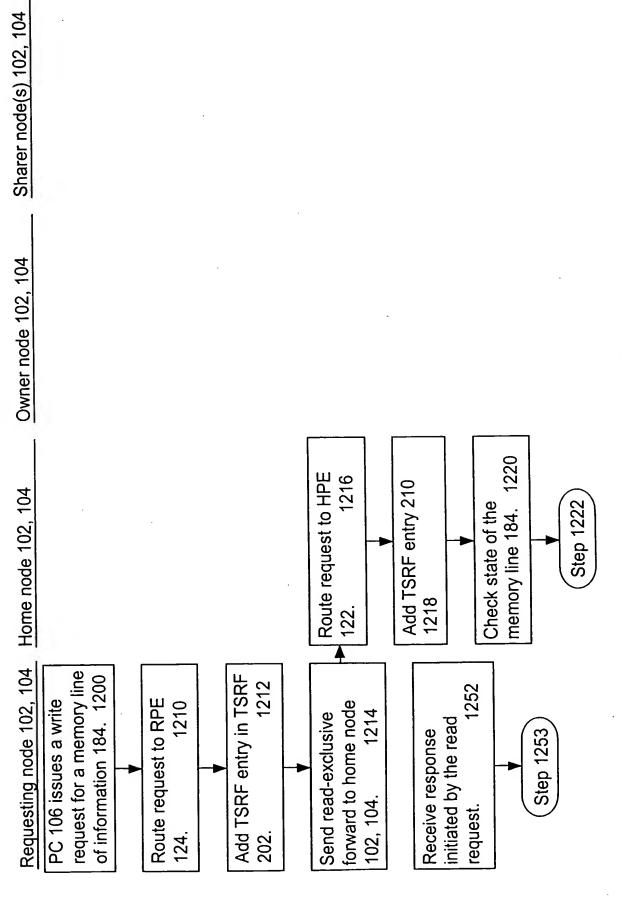
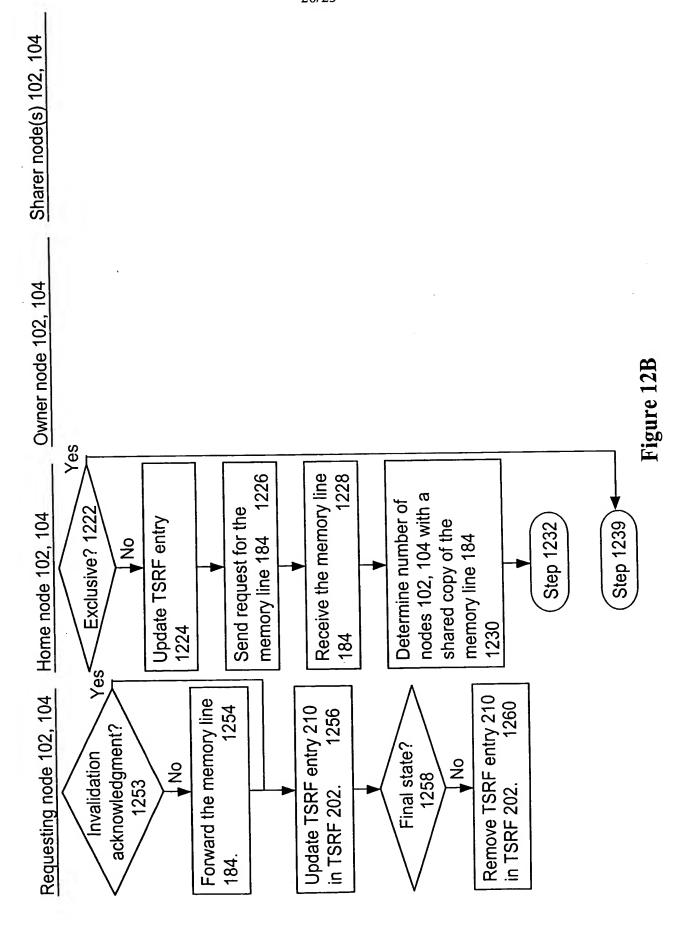


Figure 12A



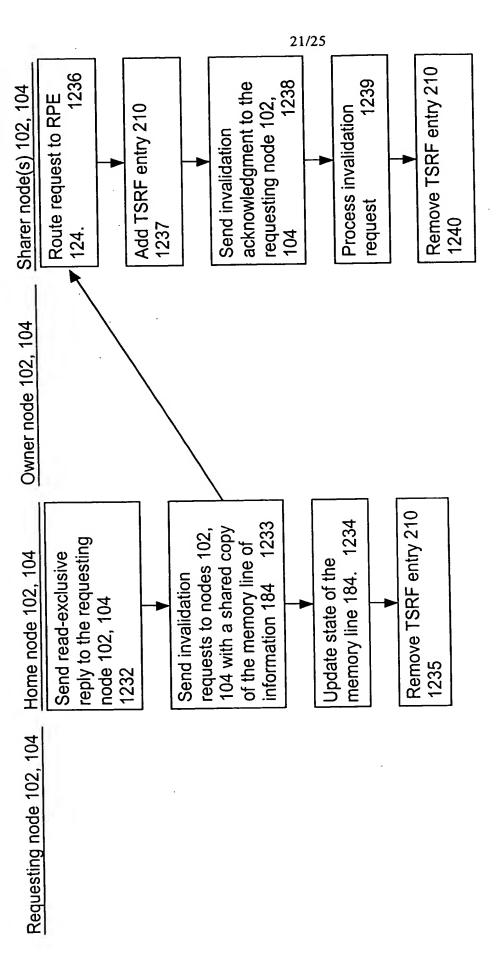


Figure 12C

